

ASTD/TDI Project Static Report

Sodium Minimization in Hanford HLW Tanks

Focus Area:	Tanks Focus Area	Focus Area Manager:	Marcus Glasper, (509) 372-4012
TTP No.:	RL09WT41	Principal Investigator:	Glenn Edgemon, (509) 373-7214
Lead Site:	Richland		
Project No.:	99-ASTD-38	Technology Vendor(s)/Commercial Partner(s):	
Tech ID/TMS No.:	1985		None identified at this time

Related Publication(s):

Web Page(s):

Description: Electro-chemical noise (EN) based corrosion monitoring probes have been deployed in two Hanford HLW tanks. The EN technology is used to evaluate corrosion conditions to determine the need for addition of corrosion inhibitors to support safe waste storage in Hanford tanks.

Application: Monitoring corrosion conditions in carbon steel tanks storing corrosive waste materials.

Location(s): 241-AZ-101, 241-AN-107, 241-AN-102

Technology(ies):

Electrochemical Noise-Based Corrosion Monitoring Probe

	Funding (\$K):	<u>FY-98</u>	<u>FY-99</u>	<u>FY-00</u>	<u>FY-01</u>	<u>Total</u>
TTP No.:	RL09WT41	\$0	\$50	\$150	\$0	\$200
Leverage Source:	EM-30					\$200
						\$400
				Funding Total (\$K):		\$400

Cost Savings (\$M):	<u>Proposal</u>	<u>Deployment Plan/TTP</u>	<u>Current Focus Area Projection</u>
	Pending	Pending	\$1,360